Medical Laboratory Sciences (1990) **47**, 367–370

Subject index

AIDS, anti-HIV assay, 52
Albumin, erythrocyte viability, 199
Anaerobes, technics, 337
Antibodies:
  determination by ELISA, 30
  hepatitis B, 204
Antigen:
  antibody complex, 204
  cell surface, 182
Ascorbic acid, erythrocyte viability, 199
Assay:
  ELISA, 30, 52
  gene probe, 97
  narcotics, 85
  Vitamin B_{12}, 90
ATP, erythrocyte viability, 199
Autoanalysis, urinary oxalate, 73
Autograft, bone marrow, 120
Automation:
  bedside testing, 319
  haematology analysers, 285
  lysozyme measurement, 282
  microplate, 42

Bacteroides, cephalosporin activity, 163
Bedside testing, 249, 312, 319, 326, 330
Benzoylecgonine, detection, 85
Bile, pigments, spectrophotometric correction, 10
Biopsy, fine needle aspiration, 172
Blood
  bank, erythrocytes, 113
  cell count, 230
  chemical analysis, 263
  coagulation factors, 103
  collection, 230
  grouping, crossmatching, 195, 330
  identification of organisms, 6
  preservation, 113, 199
  Reflotron analyser, 256, 263
  selenium levels, 132
Bone:
  implant, histological technic, 168
  marrow transplantation, 120
Book Reviews:
  A Colour Atlas of Sexually Transmitted Diseases—*A. Wisdom*, 67
  A History of Immunology—*A. M. Silverstein*, 64
  Advances in Electrophoresis—*A. Chrambach, M. J. Dunn and B. J. Radola*, 361
  All about AIDS—*J. S. Roth*, 244
Anaerobic Infections in Human—*S. Fingold and W. L. George*, 59
Antibodies, Volume II: A Practical Approach—*D. Catty*, 63
Antimicrobial Chemotherapy, 2nd edn—*D. Greenwood*, 142
Atlas of Clinical Hematology—*H. Bergmann and J. Rastetter*, 145
Autoradiography: a Comprehensive Overview—*J. R. J. Baker*, 60
Bacteria, Complement and the Phagocytic Cell—*F. C. Cabello and C. Pruzzo*, 59
Basic Histology, 6th edn—*L. Carlos Junqueira, J. Carneiro and R. O. Kelley*, 241
Blood Cells. A Practical Guide—*B. J. Bain*, 61
British Qualifications, 19th edn—*London: Kogan Page*, 70
Chambers Biology Dictionary—*P. M. B. Walker*, 70
Chambers Medical Spelling Checker—*E. McCall-Smith*, 71
Clinical Cytotechnology—*D. V. Coleman and P. A. Capman*, 143
Clinical Immunohaematology: Basic Concepts and Clinical Applications—*W. F. Rosse*, 361
Clinical Laboratory Procedures for Medical Assistants, 3rd edn—*K. Bonewit*, 68
Clinical Practice of Transfusion Medicine, 2nd edn—*L. D. Petz and S. N. Swisher*, 64
Collins and Lyne's Microbiological Methods, 6th edn—*C. H. Collins, P. M. Lyne and J. M. Grange*, 58
Computer Presentation of Data in Science—*D. Simmonds and L. Reynolds*, 66
Computer Programs in Clinical and Laboratory Medicine—*D. J. Doyle*, 363
Concepts in Viral Pathogenesis III—*A. L. Notkins and M. B. A. Oldstone*, 66
Control of Virus Diseases—*N. J. Dimmock, P. D. Griffiths & C. R. Madeley*, 362
Critical Factors in Haemostasis. Evaluation and Development—*C. E. Williams, P. E. Short, A. J. George and M. B. P. Entwhistle*, 62
Current Topics in Microbiology and Immunology, Vol. 139. Carbohydrate-Protein Interaction—*A. E. Clarke and I. A. Wilson*, 58
Discharging to Atmosphere from Laboratory-Scale Processes—*D. Hughes*, 245
Effective Writing, 2nd edn—*C. Turk and J. Kirkman*, 69

ELISA in the Clinical Microbiological Laboratory—*T. G. Wright and P. Morgan-Capner*, 362
Ethics and Human Genetics: A Cross-cultural Perspective—*D. C. Wertz and J. C. Fletcher*, 246
Exacta Medica—*I. R. Entwhistle*, 70
Fibronectins—*R. O. Haynes*, 247
Fundamentals of Immunohaematology—*M. L. Turgeon*, 65
Guidelines on the Care of Laboratory Animals and their Use for Specific Purposes. III. Surgical Procedures—*Anon. London: Universities Federation*, 245
H_1 and H_2 Histamine Receptors—*G. A. Settipane*, 146
Histology—*P. S. Amenta*, 360
Hospital-acquired Infection, 2nd edn—*G. A. T. Ayliffe, B. J. Collins and L. J. Taylor*, 250
Immune Recognition of Protein Antigens—*F. Brown and M. J. Crumpton*, 361
Laboratory-Acquired Infections—*C. H. Collins*, 60
Laboratory Haematology. An Account of Laboratory Techniques—*I. Chanarin*, 144
Leukaemia Cytochemistry: Principles and Practice—*C. S. Scott*, 146
Macmillan Dictionary of Immunology—*F. R. Rosen*, 63
Mechanisms in Myeloid Tumorigenesis—*G. L. C. Shen-Ong, M. Potter and N. G. Copeland*, 60
Medical Bacteriology: A Practical Approach—*P. M. Hawkeye and D. A. Lewis*, 141
Medical Microbiology, 18th edn—*E. Jawetz, J. L. Melnick, E. A. Adelberg, G. F. Brooks, J. S. Butel and L. N. Ornston*, 58
Medical Microbiology & Immunology. Examination and Board Review—*W. Levinson and E. Jawetz*, 141
Medical Mycology: a Practical Approach—*E. G. V. Evans and M. D. Richardson*, 65
Medical Parasitology—*G. Piekarski*, 142
Medical Quotes: A Thematic Dictionary—*J. Daintith and A. Isaacs*, 70
Microbiology in Medical Practice, 2nd edn—*D. C. Shanson*, 141
Molecular Medical Biochemistry—*J. P. Luzio and R. J. Thompson*, 247
Nucleic Acid Sequencing—a Practical Approach—*C. J. Rowe and E. S. Ward*, 243
Pasteurella and Pasteurellosis—*C. Adlam and J. M. Rutter*, 241
Phlebotomy Handbook—*D. Garza and K. Becan-McBridge*, 145
Principles and Techniques of Electron Microscopy: Biological Applications, 3rd edn—*M. A. Hayat*, 243
Principles of Research Data Audits—*A. E. Shamoo*, 363
Protein Purification Methods: A Practical Approach—*E. L. V. Harris and S. Angal*, 241
Pseudomonas Infections and Alginates. Biochemistry, Genetics and Pathology—*P. Gacesa and N. J. Russell*, 362
Quality Assurance in Haematology—*S. M. Lewis and R. L. Verwilghen*, 61
Quality Assurance in Health Care—*New Journal. Oxford: Pergamon Press*, 69
Realm of Tolerance—*P. Ivanyi*, 242
Recombinant DNA Laboratory Manual—*J. W. Zysking and S. I. Bernstein*, 242
Safety in Clinical and Biomedical Laboratories—*C. H. Collins*, 67
Software Review—*Eric Bridoon*, 248, 364
Special Tests: The Procedure and Meaning of the Commoner Tests in Hospital—*D. M. D. Evans*, 68
The Dictionary of Cell Biology—*J. M. Lackie and J. A. T. Dow*, 244
The Foundations of Laboratory Safety—*S. R. Rayburn*, 245
The Immune System—*R. E. Longman*, 242
The Laboratory Investigation of Liver Disease—*P. J. Johnson and I. G. McFarlane*, 144
The Medical Revolution of the Seventeenth Century—*R. French and A. Wear*, 71
The Medical School—*G. P. Hosmer*, 364
The Microbial Hazards of Occupations—*C. H. Collins and J. M. Grange*, 246
The Principles and Practice of Electron Microscopy—*I. M. Watt*, 147
Theory and Practice of Histological Techniques, 3rd edn—*J. D. Bancroft and Alan Stevens*, 360
Transfusion Medicine—*W. H. Churchill and S. F. Kurz*, 64
Typing and Word Processing Dictionary—*J. Stananought and D. Stananought*, 71
Understanding Medical Immunology, 2nd edn—*E. Kirkwood and C. Lewis*, 62
Viral Hepatitis: a Global Health Problem—*Anon. Dartford: Wellcome Diagnostics*, 244
Visualization of Brain Functions—*D. Ottoson and W. Rostene*, 143
Year Book of Pathology and Clinical Pathology 1989—*K. M. Brinkhous*, 240

Cell, pathology, 149, 210
Cephalosporins, activity against bacteriodes, 163
Chromium chloride, RBC binding, 189
Clavulanic acid, cephalosporin activity, 163
Communication, standards, 347
Computer, hardware, communications, 347
Corynebacteria, incidence in samples, 36
Cost, effectiveness:
  bedside testing, 319
  immunoassay, 85
Creatine, heat treatment, 234
Cryopreservation, *Lactobaccillus*, 90
Culture media:

enteritis screening, 46
meningococci
Neisseria, 158
Shigellae, 151
Cytomegalovirus, immune response to, 297
Cytometry, flow, 108

Diagnosis:
cell pathology, 210
cytomegalovirus, 297
DNA, gene probe, parvovirus, 97

Economics, desk top analysers, 256, 263
ELISA:
antibody determination, 30
AIDS, 52
false negative, anti-HIV, 353
Enteritis screening, 46
Enzyme, tests, 195
Erythrocytes;
binding sites, 189
deformability, 113
pyruvate kinase, 80
Evaluation, automated haematology analysers, 285

Filter technic, aspiration specimens, 172
Flow, cytometry, 108

Gene probe, parvovirus, 97
Glucose dehydrogenase, phenotypes, 26
Gram-negative, bacteria, quinolones, 272

Haematology:
analysers, evaluation, 285
tests, 49, 80, 230
Haemoglobin:
staining, 49
value correction, 226
HemoCue™, evaluation, 226
Hepatitis B, immune complex detection, 204
Histology:
fine needle aspiration, 172
cell surface immunoglobulins, 182
HIV:
anti-, assay, 52
seropositivity, 353

Immune response, cytomegalovirus, 297
Immunocytochemistry, 210
Immunoenzyme, technics, 85, 195
Immunoglobulins, cell surface, 182
Immunohaematology, 195
Immunotherapy, 220
Implants, histological technic, 168
Inclusion bodies, staining, 49
Infection, Corynebacteria, 36
Interleukin-2, immunotherapy, 220
Isoelectric focussing, glucose dehydrogenase, 26

Killer cells, natural, 108
Kinase, pyruvate, 80

Lactobaccillus, cryopreservation, 90
Letters to the Editor:
Adaptation of a diluted EMIT theophylline assay for use on the Baker 'Encore'™ centrifugal analyser—*J. McCracken, E. B. Duly and T. R. Trinick*, 358
Gelatin particle agglutination assay as an auxiliary confirmation test for HIV-1 antibodies—*R. L. McShine, A. H. de Vries, P. C. Das and C. Th. Smit Sibinga*, 359
Improvements in complement fixation testing—*T. A. Bell, B. A. Matheson and D. O. Ho-Yen*, 138
Rapid diagnosis of leukaemia—*D. Hanmer and J. Aistrup*, 359
Leukaemia, plasma lysozyme measurement, 282
Lipaemia, Hb value correction, 226
Lysozyme, plasma, measurement, 282

Malondialdehyde, plasma test, 10
Management, office pathology testing, 251
Marrow bone, transplantation, 120
Measurement, Vitamin D, 17
Meningococci, culture media, 158
Microplate, microvolume transfer, 42
Microspheres, blood preservation, 199
Morphology, RBCs with SEM, 113
Multiple sclerosis, killer cell activity, 108
Multipoint, enteritis screening, 46

Narcotics, assay, 85
Nasopharyngeal, neoplasm, 132
Near-patient, testing, 249, 312, 319, 326, 330
Neisseria, culture media, 158
Neoplasm, nasopharyngeal, 132

Organisation:
objectives, 326
office pathology testing, 251
Oxalate, urinary, autoanalysis, 73
Oxidase, oxalate, urinary analysis, 73

Paediatrics, blood samples, 230
Parvovirus, gene probe, 97
Phenotypes, G-6-P dehydrogenase, 26
Plasma:
creatine, 234
lysozyme measurement, 282
thiobarbiturates test, 10
Post-antibiotic effect, quinolones, 272
Preservation, cryo-, *Lactobacillus*, 90
Protein, IgA, 189

Quinolones, post-antibiotic effect, 272

Recombinant, competitive anti-HIV assay, 52
Red cell, indices, 80
Reflotron:
  evaluation, 263
  general practice, 256
Reticulocytes, staining, 49

Sampler, bacterial, microplate, 42
Samples, small, blood, 230
Screening, enteritis pathogens, 46
Selenium, blood levels, cancer, 132
Sensitivity tests, microbial, 163
Septicaemia, identification of organisms, 6
Serology:
  cytomegalovirus, immune response, 297
  HIV, 353
  microplate, sampler, 42
  organism identification, 6
Serum, lysozyme measurement, 282
Shigellae, culture media, 151
Spectrophotometry, thiobarbiturates test correction, 10
Staining, inclusion bodies, 49
Storage, blood, 230
Sulbactam, cephalosporin activity, 163
Surface, proteins, 182

Tannins, RBC binding, 189
Technics, anaerobic bacteria, 337
Testing:
  general practice, 303
  near-patient, 249, 312, 319, 326, 330
  office pathology, 251
Thesis Summaries:
  A study of human papillomavirus genome in cervical neoplasia using a non-radioactive probe and *in situ* hybridisation—*Shirley Anne Southern*, 237
  A study of the distribution of histiocyte subtypes in reactive lymph nodes and their relative proportions in a variety of breast lesions—*Jacqueline Barry-O'Crowley*, 237
  A study of the effects of lyophilization on the biological and physicochemical properties of coagulation factors—*Claire E. Webb*, 238
  Alphafetoprotein levels as a screening test for hepatocellular carcinoma in HBsAg positive subjects—*Muriel Joan Kitau*, 136
  Antibodies to neutral cytoplasmic antigens in Wegener's granulomatosis and other vasculitides—*Robert Simpson*, 56
  Atrial natriuretic factor: an ultrastructural and ultrastructural-immunocytochemical investigation—*J. Hair*, 356
  Bone marrow transplant donor selections: screening MLR on the Coulter S+ Mark IV—*L. A. E. Forbes*, 136
  Development of a solid phase immune electron microscopy technique for the epidemiological study of SRSVs (Norwalk-like viruses)—*N. G. Wilkinson*, 356
  Growth of *Chamydia trachomatis* in McCoy cells: effect of polyvinyl pyrrolidones$_{40}$—*Marion Gerardine McQuoid*, 135
  Investigation of an antibody found in human serum, and its cross-reaction with bovine and other biological membranes—*Eurig Thomas*, 56
  Investigation of immunocytochemical markers in the detection of ovarian cancer: a study using monoclonal antibodies—*George King*, 55
  Localisation, distribution and pharmacokinetics of Vinca alkaloids in colonic tissues—*Kathryn Elliott*, 236
  Structural and functional studies of the dermal microvasculature in systemic sclerosis—*Patricia Fielding*, 135
  Studies of needle enzyme electrodes based on oxidases, for metabolic monitoring—*Julia A. Spoores*, 236
  The application of enzyme-linked immunosorbent assays to the study of complement—*Jean Veitch*, 238
  Tumour cell purging for autologous transfusion—*Annette E. Trickett*, 57
  Whole blood *versus* platelet-rich plasma aggregometry: a comparative study—*Michelle Jane Dalziel-Jones*, 55
Thiobarbiturates, test correction, 10
Titanium, histological technic, 168
Transplantation, bone marrow, 120
Tumour, cell purging, 120

Vitamin B_{12}, assay, 90
Vitamin D, measurement, 17
Vitamin K, deficiency, K 103

Warfarin, PIVKA-II, 103
Waxes, histology, 182

Xanthine oxidase, antibody assay, 30
X-ray, film digestion, 185

Medical Laboratory Sciences (1990) **47**, 371–372

Author index

Ahmed KGS (*see* Rawlinson J), 42
Alados JC. Post-antibiotic effect of three quinolones against Gram negative isolates from urine, 272
Allen MA. Experiences with anaerobes, 337
Allison RT. Selectivity, objectivity and consensus in cellular pathology, 147
Allison RT. Production of high quality ground sections of bone containing metal implants to demonstrate osseo-integration: a simplified method, 168
Al-Turki N (*see* Ezzat HG), 49
Assmann RFTA (*see* Hendriks Th), 10
Athersuch R (*see* Glaister D), 158
Athwall PS. Use of international data communications standards in hospital laboratories, 347

Bacon BJ (*see* Skinner AG), 263
Baldwin A (*see* Rawlinson J), 42
Barbara JAJ (*see* Challis P), 52
(*see also* Rawlinson J), 42
Batinić D (*see* Vraneš Z), 108
Beck S (*see* Cobb N), 172
Bellamy GJ. Effect of storage on blood count variables in small samples, 230
Braidwood JL. Laboratory testing closer to the patient: the Canadian scene, 312
Broughton PMG. Laboratory testing in, or for, general practice, 304

Castillo AM (*see* Martin MA), 163
Challis P. Recombinant-based competitive anti-HIV assay: solution of some operating problems, 52
Chui SH (*see* Ng YLE), 30
Cobb N. A new filter technique permitting traditional histopathological assessment of fine needle aspiration specimens, 172
Cook HC. Demonstration techniques in cellular pathology: putting things into perspective, 210

Dunt DR (*see* Hailey DM), 251
Dybkjaer E (*see* Rosenkvist J), 353

El-Hazmi MAF. Microheterogeneity of glucose-6-phosphate dehydrogenase phenotypes, 26
El-Hazmi MAF. Correlation between red cell pyruvate kinase activity and haematological parameters, 80
Evans GA. Effect of heat treatment on plasma creatine measurement, 234
Ezzat HG. Staining of inclusion bodies and reticulocytes: a modified procedure, 49

Farr AD. Near-patient 'laboratory' testing, 249

Galea G. The immune response to cytomegalovirus infection and serological methods used in its diagnosis, 297
Garcia F (*see* Alados JC), 272
Giles JM. X-ray film digestion: a semi-quantitative assay for proteolytic enzymes used in immunohaematology, 195
Giles SJ. Quantitative measurement of serum and plasma lysozyme: an automated method, 282
Ginman RFA (*see* Goldsack K), 73
Glaister D. Apparent failure of Brain Heart Infusion broth to cultivate meningococci from clinically infected patients, 158
Goldsack K. Direct determination of urinary oxalate by a continuous flow method, 73
Goldsmith JM (*see* Hunt ALC), 151
Gongkan F (*see* Rongpu Y), 132
Grigor I. Enhanced demonstration of cell surface immunoglobulins in paraffin processed tissue, 182
Gutierrez J (*see* Alados JC), 272
(*see also* Martin MA), 163

Hailey DM. Developments in near-patient testing, 319
Hailey DM. Assessment of physicians' office pathology testing: organisational considerations, 251
Hazlehurst F (*see* Giles SJ), 282
Hendriks Th. Spectrophotometric correction for bile pigments in the thiobarbituric acid test for malondialdehyde-like substances in plasma, 10
Hinchliffe RF (*see* Bellamy GJ), 230
House JD (*see* Skinner AJ), 263
Hug G (*see* McGraw CA), 17
Hunt AF. Tannic acid and chromic chloride-induced binding of protein to red cells: a preliminary study of possible binding sites and reaction mechanisms, 189
Hunt ALC. An investigation of culture media for the isolation of shigellae, 151
Hutton J (*see* Leese B), 256

Jiachen H (*see* Rongpu Y), 132
Johnson E (*see* Marshall RJ), 36
Johnston DH (*see* Macey MG), 220

Kelleher BP. Cryo-preservation of *Lactobacillus leichmannii* for vitamin B_{12} microbiological assay, 90

Lea AR (*see* Hailey DM), 319
Leese B. Desk top analysers in general medical practice: how useful are they?, 256
Lewis WHP (*see* Ng YLE), 30
Liebana J (*see* Alados JC) 272
(*see also* Martin MA), 163
Lynch MM (*see* Allen MA), 337

McGraw CA. Simultaneous measurement of 25-hydroxy, 24,25-dihydroxy-, and 1,25-dihydroxy-vitamin D without use of HPLC, 17
Macey MG. Interleukin-2 (IL-2) immunotherapy, 220
Marawha N. Bilirubin crystals in peripheral blood smears from neonates with unconjugated hyperbilirubinaemia, 278
Marawha RK (*see* Marawha N), 278
Marks V. Near-patient testing: implications for laboratory-based professions, 326
Marshall DP (*see* Warner BA), 285
Marshall RJ. Corynebacteria: incidence among samples submitted to a clinical laboratory for culture, 36
Martin MA. Increase in the activity of third-generation cephalosporins in combination with clavulanic acid and sulbactam™ against *Bacteroides fragilis*, 163
Martin P (*see* Athwall PS), 347
Marušić M (*see* Vraneš Z), 108
Maynard JH (*see* Hailey DM), 251
Mesa P (*see* Martin MA), 163
Moore FML. Detection of benzoylecgonine (cocaine metabolite) in urine: a cost-effective low risk immunoassay procedure, 85
Morley MR (*see* Giles SJ), 282
Mudge P (*see* Hailey DM), 251
Murray PWLeM (*see* Truter EJ), 199

Narang A (*see* Marawha N), 278
Ng YLE. Enzyme-linked immunosorbent assay for determination of antibodies to xanthine oxidase, 30
Nicholls PD. An evaluation of the HemoCue™ for correcting the value of lipaemic samples, 226

O'Broin SD (*see* Kelleher BP), 90

Perić M (*see* Vraneš Z), 108
Piedrola G (*see* Alados JC), 272
(*see also* Martin MA), 163
Plapp FV (*see* Rachel JM), 330
Poljaković Z (*see* Vraneš Z), 108

Rachel JM. Bedside blood grouping, 330
Rawlinson J. Use of a bacterial sampler for rapid transfer of microvolumes into microplates, 42
Reardon DM (*see* Warner BA), 285
Reed CSH (*see* Hailey DM), 251
Reed MI (*see* Hunt AF), 189
Rink MJ. Rapid identification of organisms from blood cultures, 6
Rogers DJ (*see* Giles JM), 195
Rongpu Y. Blood selenium levels in nasopharyngeal cancer patients in south China, 132
Rosenkvist J. False negative results in anti-HIV ELISA due to insufficient antigen coating of microtitre plates, 353

Sarode R (*see* Marawha N), 278
Scott JM (*see* Kelleher BP), 90
Sharma S (*see* Marawha N), 278
Shattock RJ. Development of a gene probe assay suitable for use in routine diagnosis: a pilot study using a DNA probe for parvovirus B19, 97
Simpson D (*see* Moore FML), 85
Skinner AG. Dry chemistry: an assessment of the BCL Reflotron™ system, 263
Slater DN (*see* Cobb N), 172
Sugar AW (*see* Allison RT), 147
Surelia P. Hepatitis B virus infection: detection of circulating HBsAg/IgM antibody immune complexes, 204

Thomas DW (*see* Hailey DM), 251
Thorpe GHG (*see* Broughton PMG), 303
Trickett AE. Tumour cell purging for autologous bone marrow transplantation, 120
Truter EJ. Albumin microspheric ascorbic acid and adenine to preserve erythrocyte viability and oxygen carrying capacity, 199
Truter EJ. Morphological classification by scanning electron microscopy of erythrocytes stored at 4°C in citrate-phosphate-dextrose anticoagulant, 113

Umeki S. Levels of acarboxy prothrombin (PIVKA-II) and coagulation factors in warfarin-treated patients, 103
Umeki Y (*see* Umeki S), 103
Užarević B (*see* Vraneš Z), 108

Vraneš Z. Natural killer (NKH-1+) cell number and activity in health and disease, 108

Warner BA. Automated haematology analysers: a four-way comparison, 285
Warsy AD (*see* El-Hazmi MAF), 80
Wigmore JA. Enteric pathogen screening: a multi-point technique with a simple numerical profile, 46
Wills CRT (*see* Wigmore JA), 46
Wright JM (*see* Goldsack K), 73
Wyndham LE (*see* Hailey DM), 251

Yachha S (*see* Marawha N), 278

Zhengen M (*see* Rongpu Y), 132